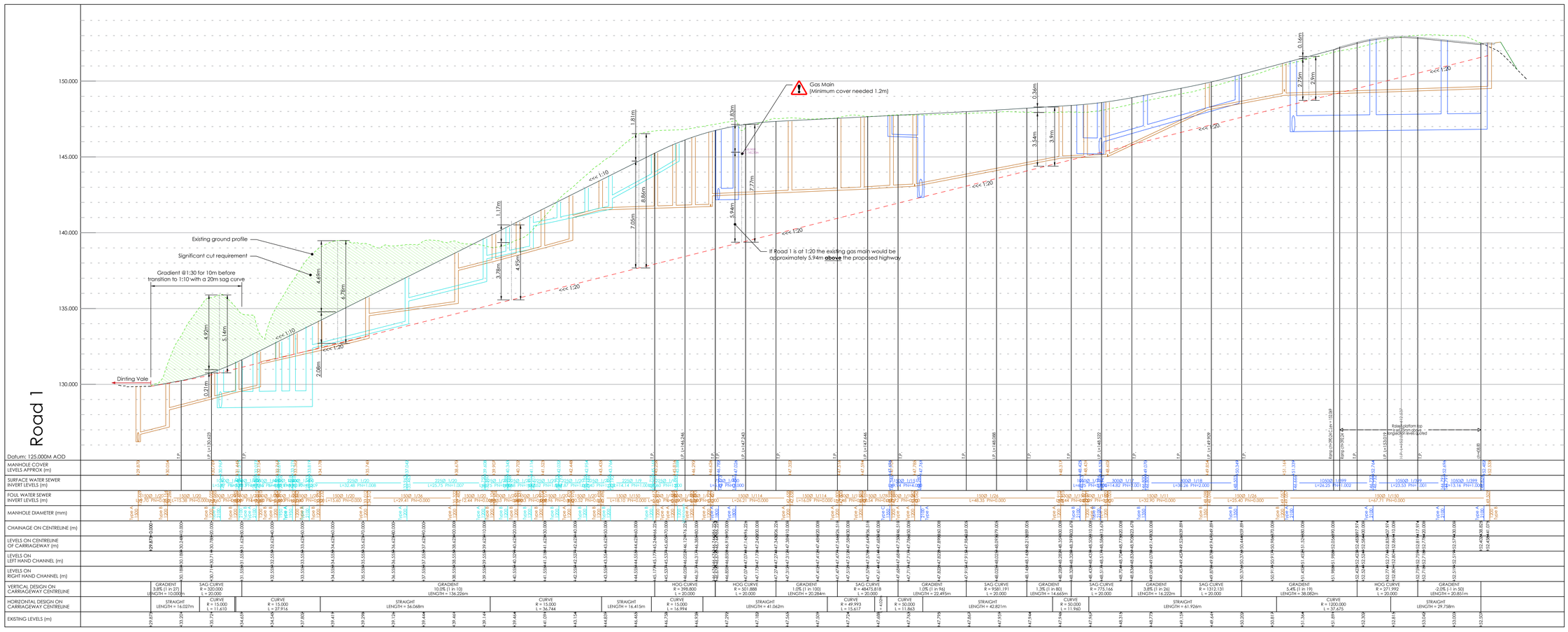


Legend

- Existing Ground Level
- Proposed Carriageway Level
- Proposed 1:20 Carriageway Level
- Proposed Surface Water Drainage
- Proposed Highway Drainage
- Proposed Foul Water Drainage

Notes

1. This drawing is to be read in conjunction with the standard details, the layouts, schedules and specifications for the development.
2. A +1% gradient represents a rise of 1m in 100m.
3. Left and right hand channels are on the left and right hand side respectively, when standing at zero chainage and looking along the road.
4. A level at any point 'x' m from the start of a vertical curve is given by the formula:-

$$\text{level@'X'} = \text{level@ start of curve} + \frac{ax}{100} + \frac{(a-b)x^2}{200}$$

where 'a' and 'b' are the gradients at the start and end of the curve respectively and having the algebraic signs +/- .

5. Pipe sizes are stated in millimetres and levels are shown in metres A.O.D.
6. All pipes to have flexible joints with granular bedding (class s) unless stated otherwise, where 150mm concrete bed and surround is specified the concrete must be broken at the joint positions by the insertion of a 'flexcell' collar.
7. Connections to existing sewers are to be soffit to soffit unless noted otherwise.
8. All vitrified CLAYs to be extra strength to B.S. 65. 1991.
9. 'MV' is equal to the rate of change of gradient and is calculated from the formula:-

$$MV = 100 * \frac{[A - B]}{L}$$

Where A and B are as in note 4 above.

10. Existing levels to be confirmed on site prior to commencement of works.
11. All CONC's to be class 'M'.

Refer to Betts Associates drainage layout drawing HYD712-001

12. All adoptable drainage is to be designed and constructed in accordance with Sewer sector guidance, Appendix C (DCG)

Details on this drawing are subject to technical approvals

Mark	Date	Details	By
A	10.01.23	Issued for initial comments	MR

Revision history

Drawing originator:

BETTS HYDRO CONSULTING ENGINEERS
BETTS ASSOCIATES CONSULTING ENGINEERS
BETTS GEO CONSULTING ENGINEERS

Client:

Wain HOMES

Project title:

Dinting Vale
Glossop

Drawing title:

Road 1
Longitudinal Section
Showing 1:10 and 1:20 options

Scale: 1:100(h), 1:500(v) for the original size of A0

Drawn by:	Checked by:	Passed by:	Date:
NR			Jan' 23

Drawing status:

For Information

Job No:	Drawing No: Project	Origin	Volume	Level	Type	Discip	Number	Revision:
HYD712	XX	BET	XX	XX	DR	C	0016	P01

Do not scale this drawing

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